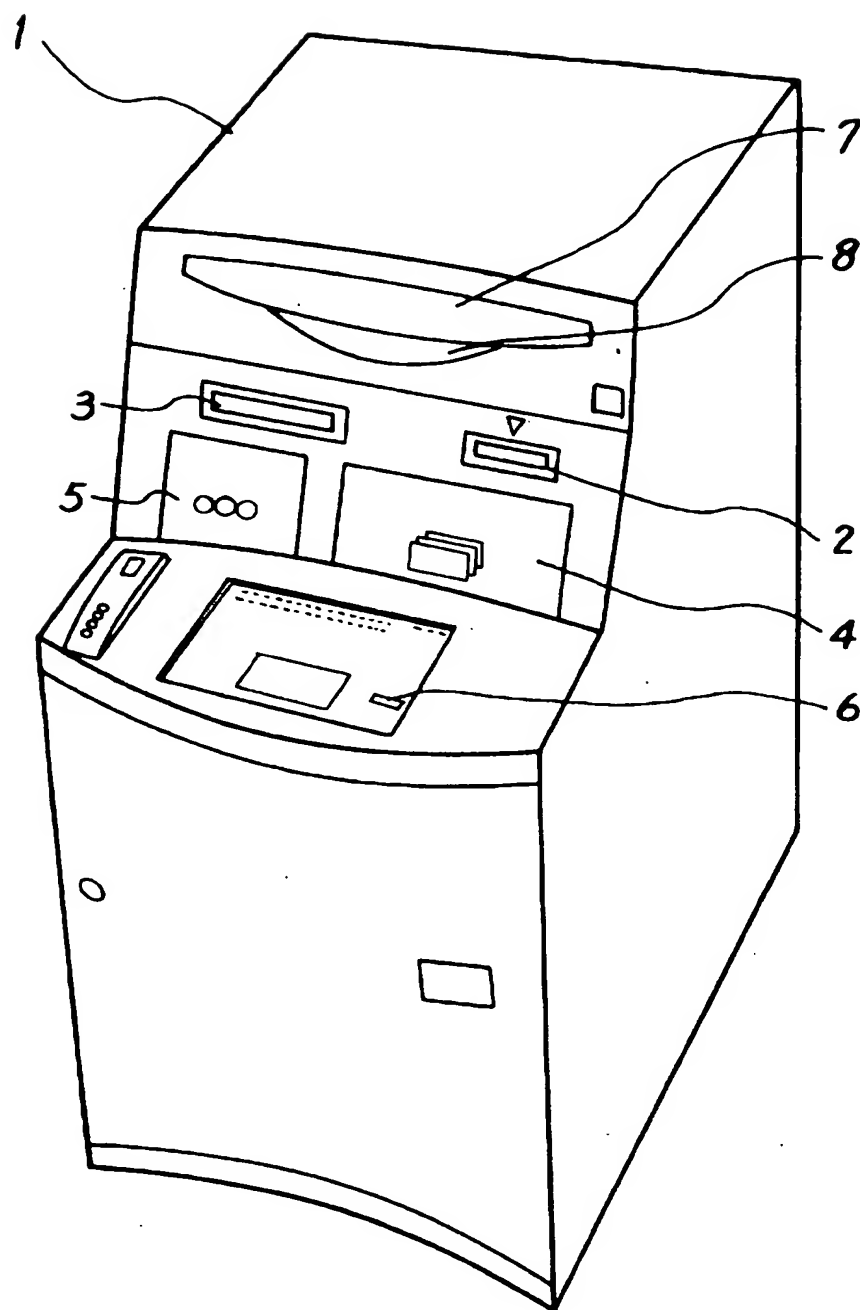


FIG. 1



**FIG. 2**

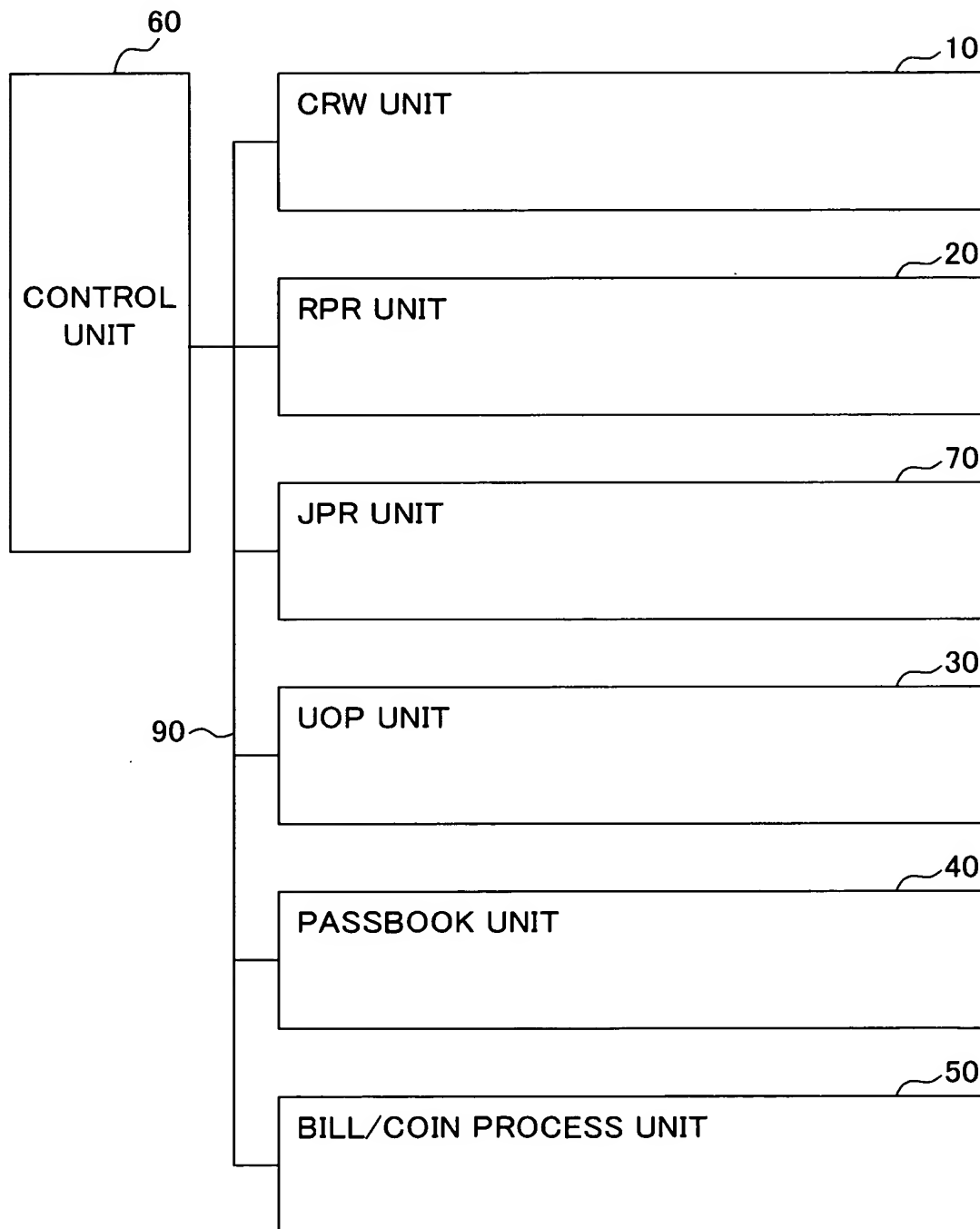


FIG. 3

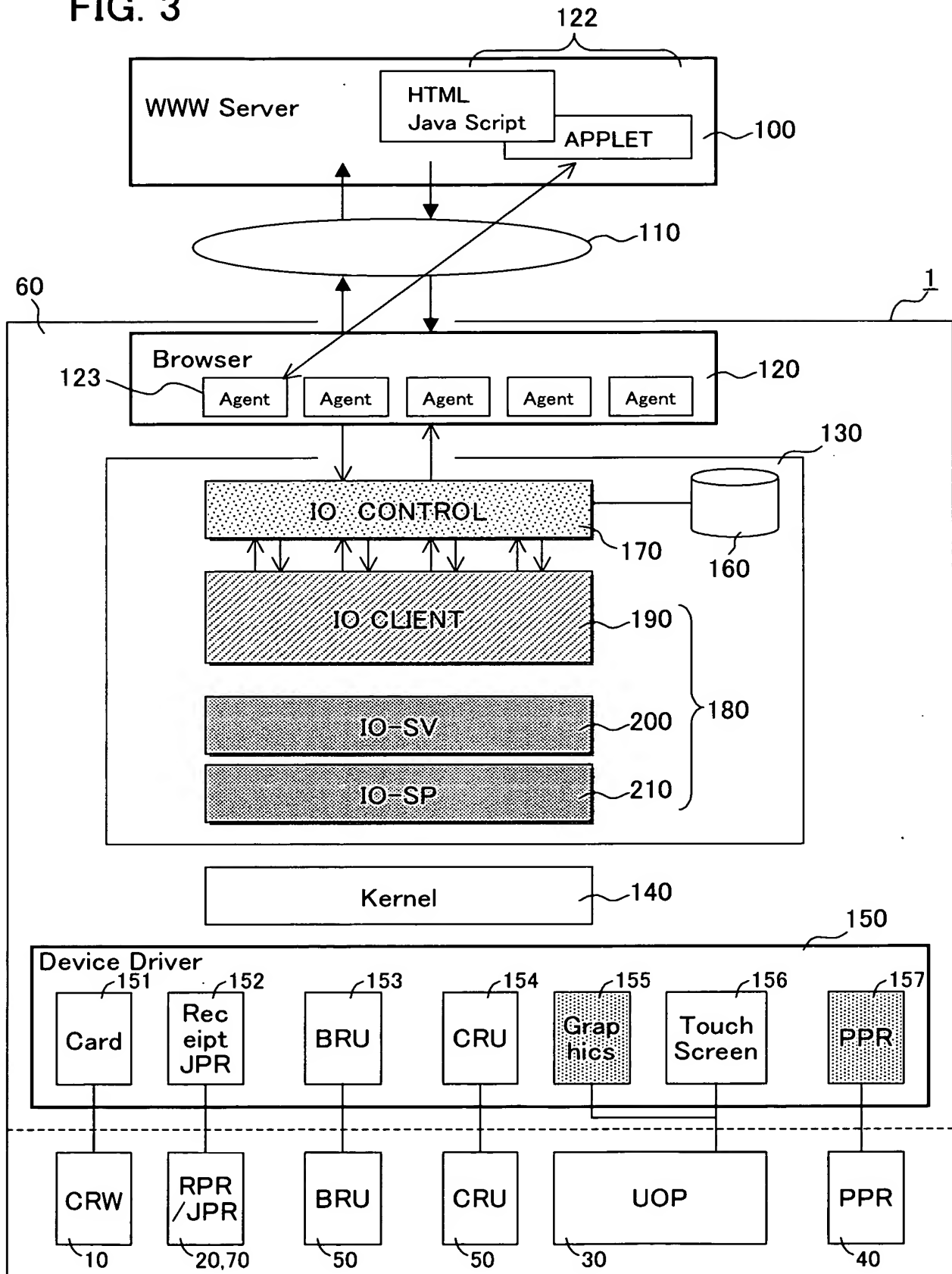


FIG. 4

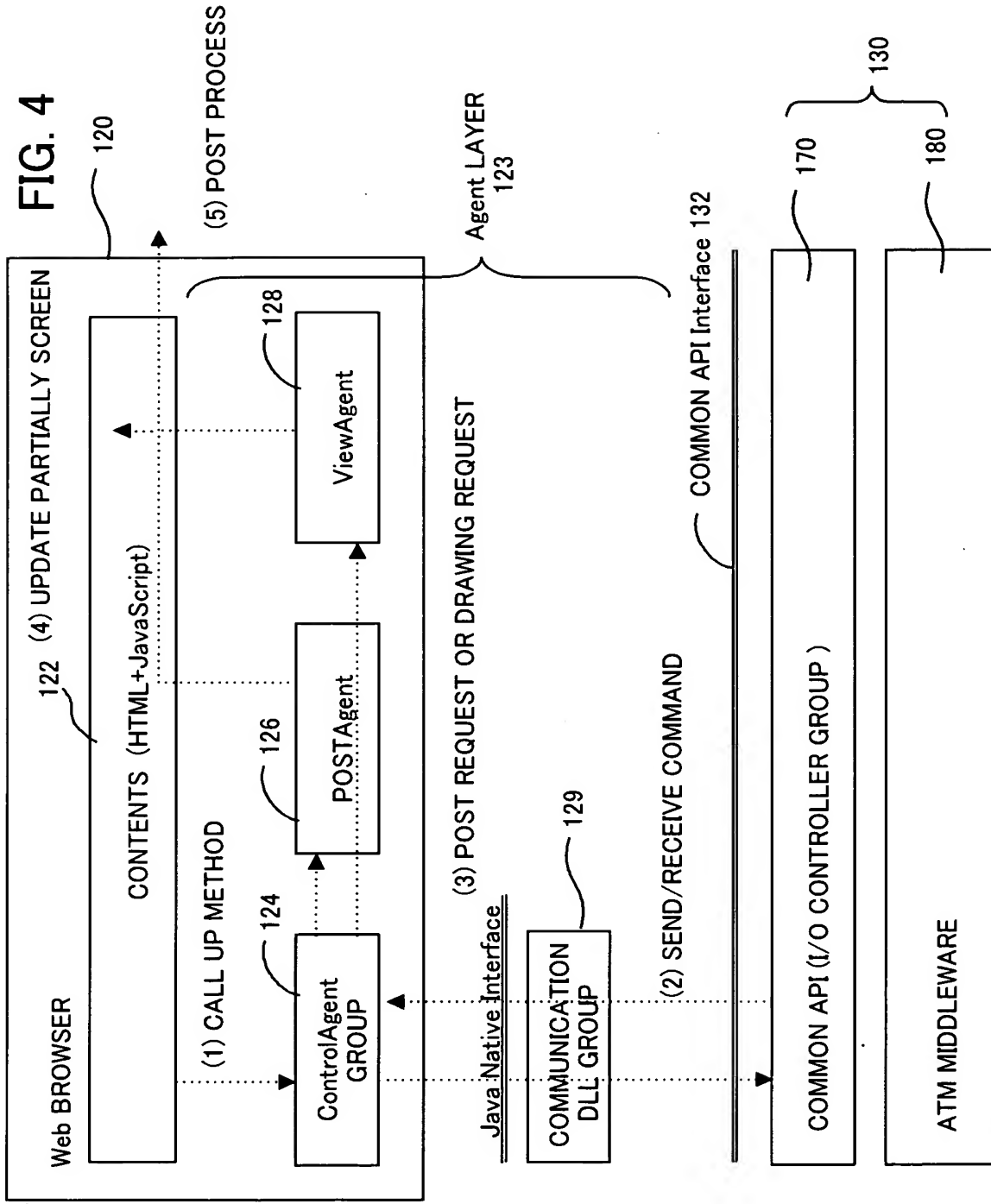
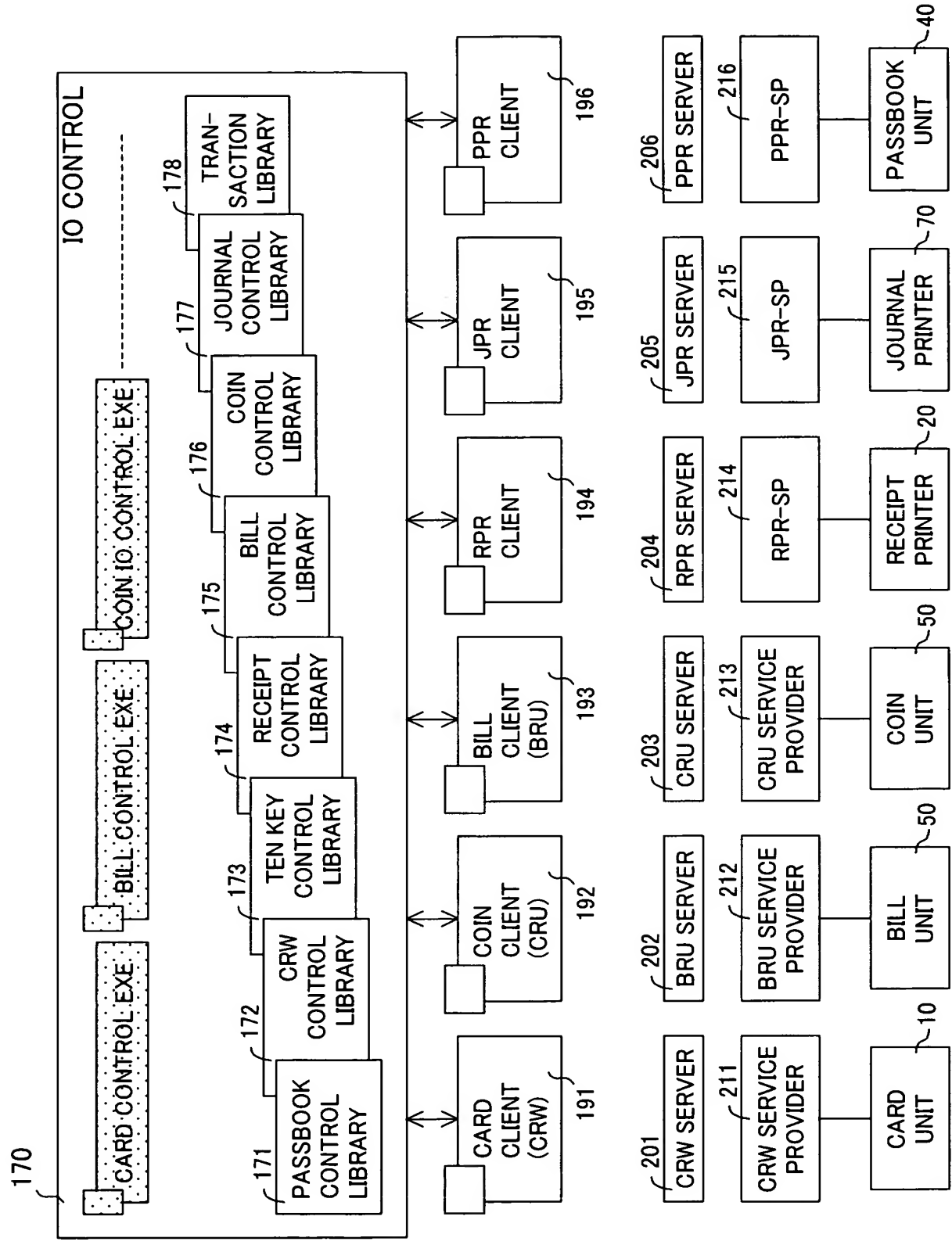


FIG. 5



**FIG. 6**

COMMAND TYPE	COMMAND
CRW COMMAND	CARD INSERTION
	CARD EJECT
RPR COMMAND	PRINT
	RELEASE
PPR COMMAND	PASSBOOK INSERTION
	PRINT
	MS WRITE
	PASSBOOK EJECT
	AUTO TURN PAGE
BRU COMMAND (CRU COMMAND)	INITIALIZATION
	ACCEPTANCE/COUNTING
	STORE
	DEPOSIT RETURN
	FEED
	RELEASE
	CAPTURE
	TRANSPORT PATH CHECK
	JAM RESET

FIG. 7

AGENT	METHOD	IO CONTROLLER								
		NONE	BILL	COIN	PAS BOOK	CARD	RECEIPT	JOURNAL	TRANS-ACTION	TEN KEY
SYNCHRONIZATION	INITIALIZE		●	●	●	●	●	●	●	●
	MECHANISM RESET		●	●	●	●	●	●	●	
	BILL/COIN INSERT		●	●				●		
	MEDIUM SIMULTANEOUS EJECT		●	●	●	●	●			
	PRINT/FEED/MS WRITE/EJECT PREPARE		●	●	●	●	●	●		
	DEPOSIT RETURN		●	●						
	STORAGE		●	●						
	FORCE-EJECT/CAPTURE		●	●	●	●	●			
	OBTAIN UNIT INFORMATION/SET TRANSACTION									
	STATUS/TWO-SCREEN DISPLAY		●	●	●	●	●	●	●	●
	DEPOSIT/WITHDRAWAL PREPARE		●	●						
	FORCE REPLENISH		●	●						
	JAM RESET		●	●						
	CARD/PASSBOOK INSERT				●	●				●
POST	POST PROCESS	●								
	POST DATA HOLD	●								
TEXT DISPLAY	FONT SET	●								
	TEXT DISPLAY	●								
	TEXT ERASE	●								

FIG. 8

AGENT	METHOD	IO CONTROLLER							
		NONE	BILL	COIN	PAS BOOK	CARD	RECEIPT JOURNAL	TRANS-ACTION	TEN KEY
BILL CONTROL	RECEIPT/COUNTING		●						
	STORAGE		●						
	DEPOSIT RETURN		●						
	RELEASE		●						
PASSBOOK CONTROL	CANCEL		●						
	PRINT LINE SET/PAGE MARK READ				●				
	MS READ				●				
	AUTO TURN PAGE			~	●				
	PAGE CHECK AUTO TURN				●				
CARD CONTROL	SET PASSBOOK TYPE INFORMATION				●				
	CARD INSERT					●			
	CANCEL					●			
	MONEY TRANSFER CARD PRINT					●			
	MONEY TRANSFER CARD ISSUE					●			
RECEIPT CONTROL	EJECT PREPARE					●			
	REGISTER OVERLAY						●		
TRANSACTION CONTROL	EJECT PREPARE						●		
	SET TRANSACTION INFORMATION							●	
	MONITOR DEVICE STATUS							●	
	OBTAIN DEVICE STATUS							●	
	SET OSOPERATION INFORMATION							●	
TEN KEY	CANCEL							●	
	TEN KEY INPUT START								●
	TEN KEY INPUT END								●



FIG. 9

```

<HTML>
<HEAD>
<TITLE>WebATM Sample</TITLE>
</HEAD>
<BODY>

// SPECIFY AGENT WHICH IS CALLED UP IN THE SCREEN
<APPLET CODE="U_agtSync.class" codebase = "http://webatm:8080/webatm"
        WIDTH="0" HEIGHT="0" NAME="U_agtSync" >
</APPLET>

// MAKE MAYSCRIPT DEFINITION SUCH THAT POSTAgent CALLS UP FUNCTION OF Java Script
<APPLET CODE="U_agtPost.class" codebase = "http://webatm:8080/webatm"
        WIDTH="0" HEIGHT="0" NAME="U_agtPost" MAYSCRIPT>

<SCRIPT language="javascript">
<!--
// DEFINE FUNCTION THAT IS CALLED UP FROM POSTAgent (REQUISITE)
function postFunc(postData){ document.sys_form.ioResponse.value = postData;
        window.document.sys_form.submit();
}

// CALL UP INITIAL METHOD IN SYNCHRONIZATION Agent
ret = document.U_agtSync._initial (inputParam, parseInt(postMode), parseInt(maxTimer));
if (ret < 0) {
        // ABNORMAL NOTIFY PROCESS
        ~OMIT~
}

// -->
</SCRIPT>
</BODY>
</HTML>

```

# FIG. 10

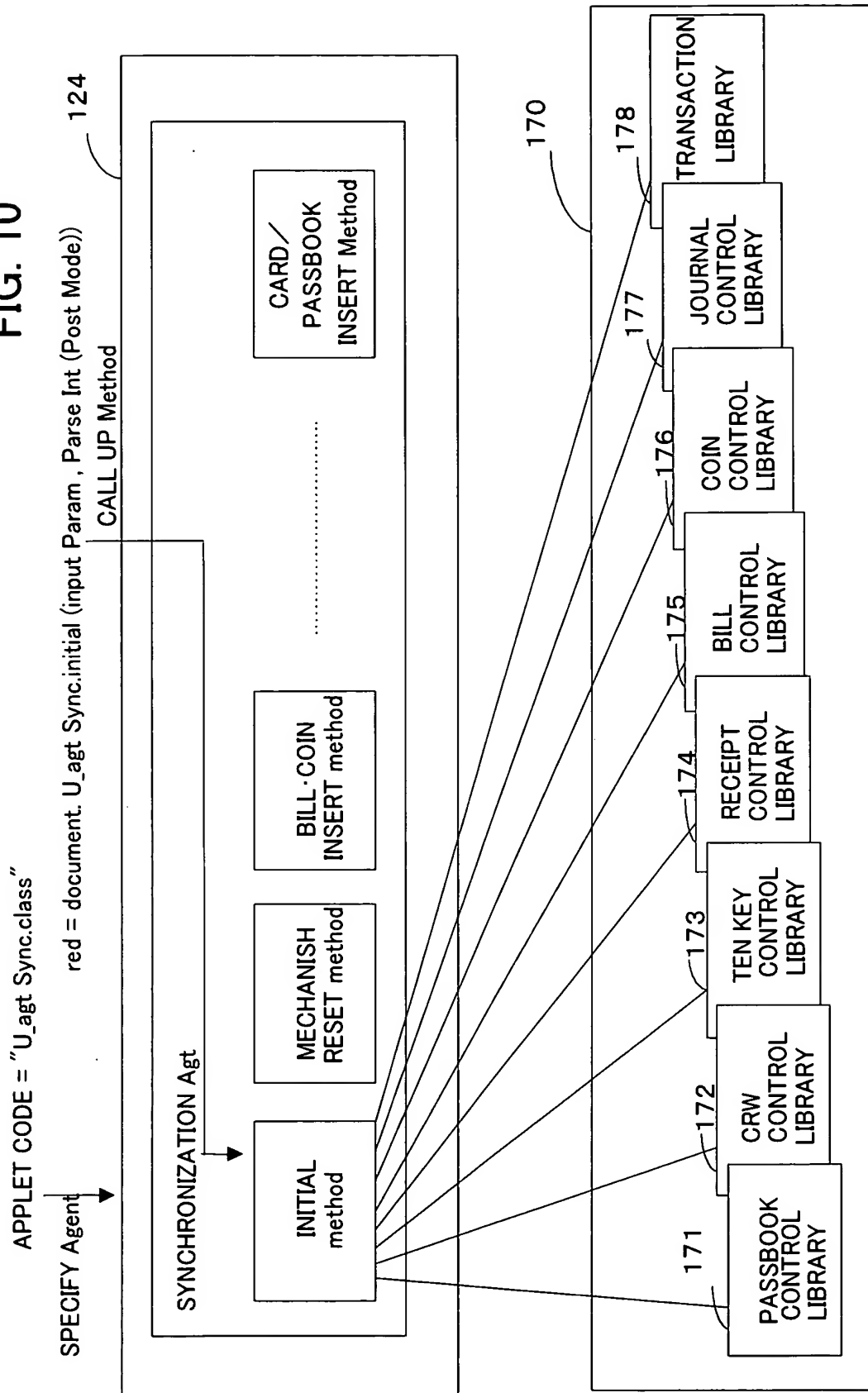


FIG. 11

Input Param

1	1	1	1	1	1	1	1
BILL	COIN	PASSBOOK	CARD	RECEIPT	JOURNAL TRANSACTION	TEN KEY	

FIG. 12

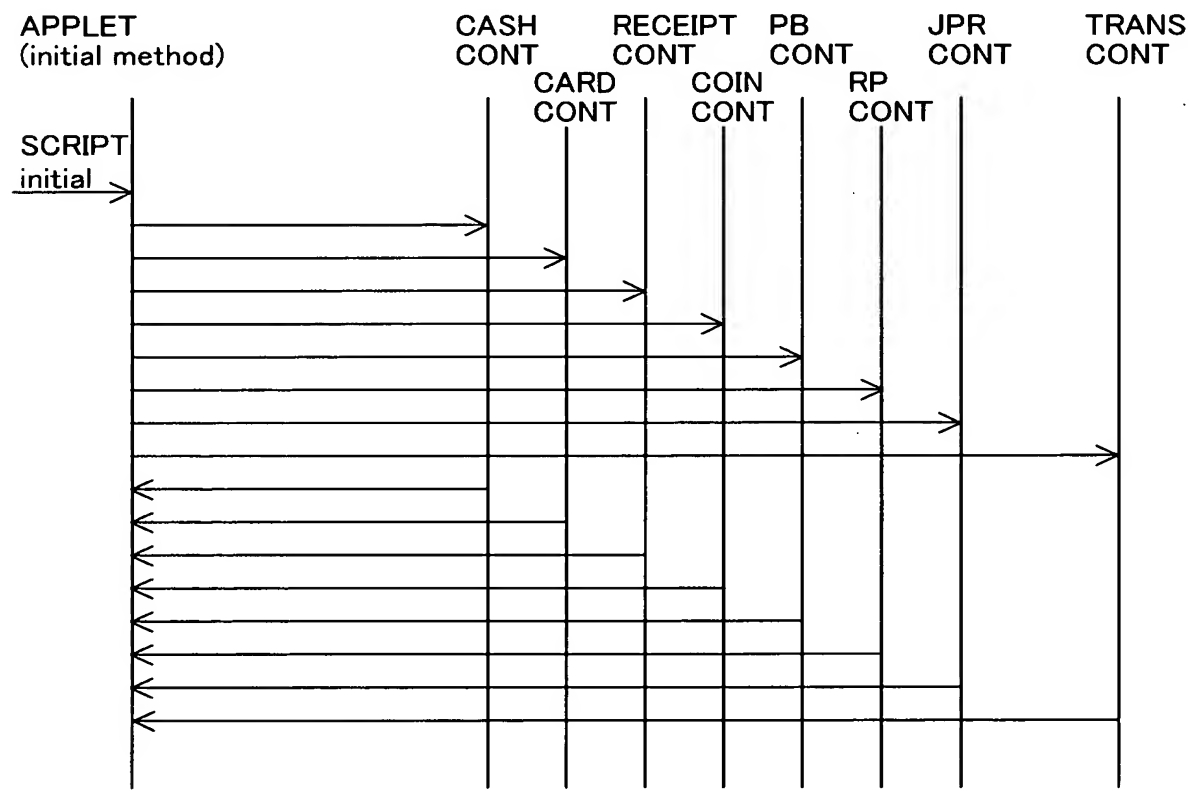


FIG. 13

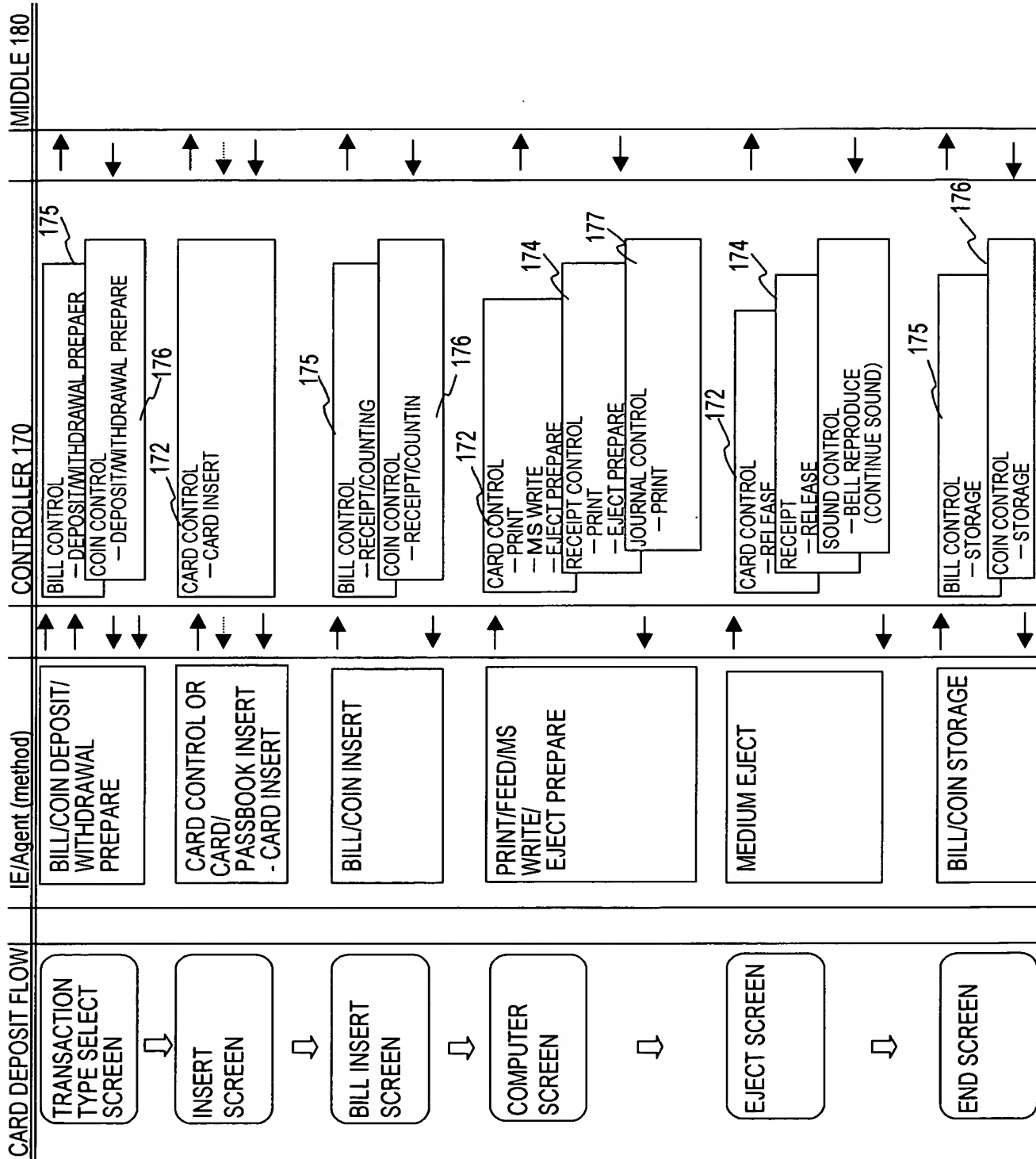


FIG. 14

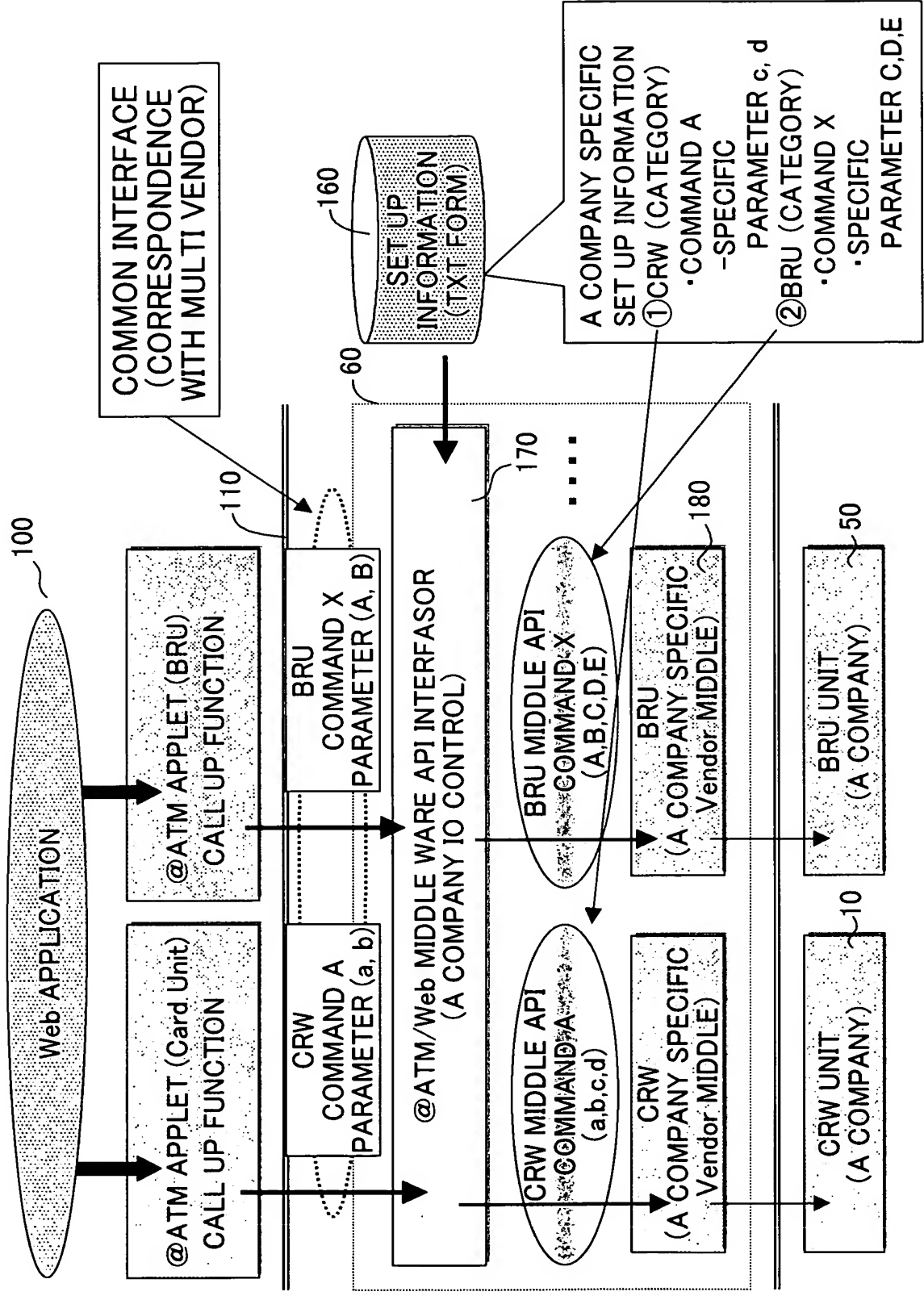
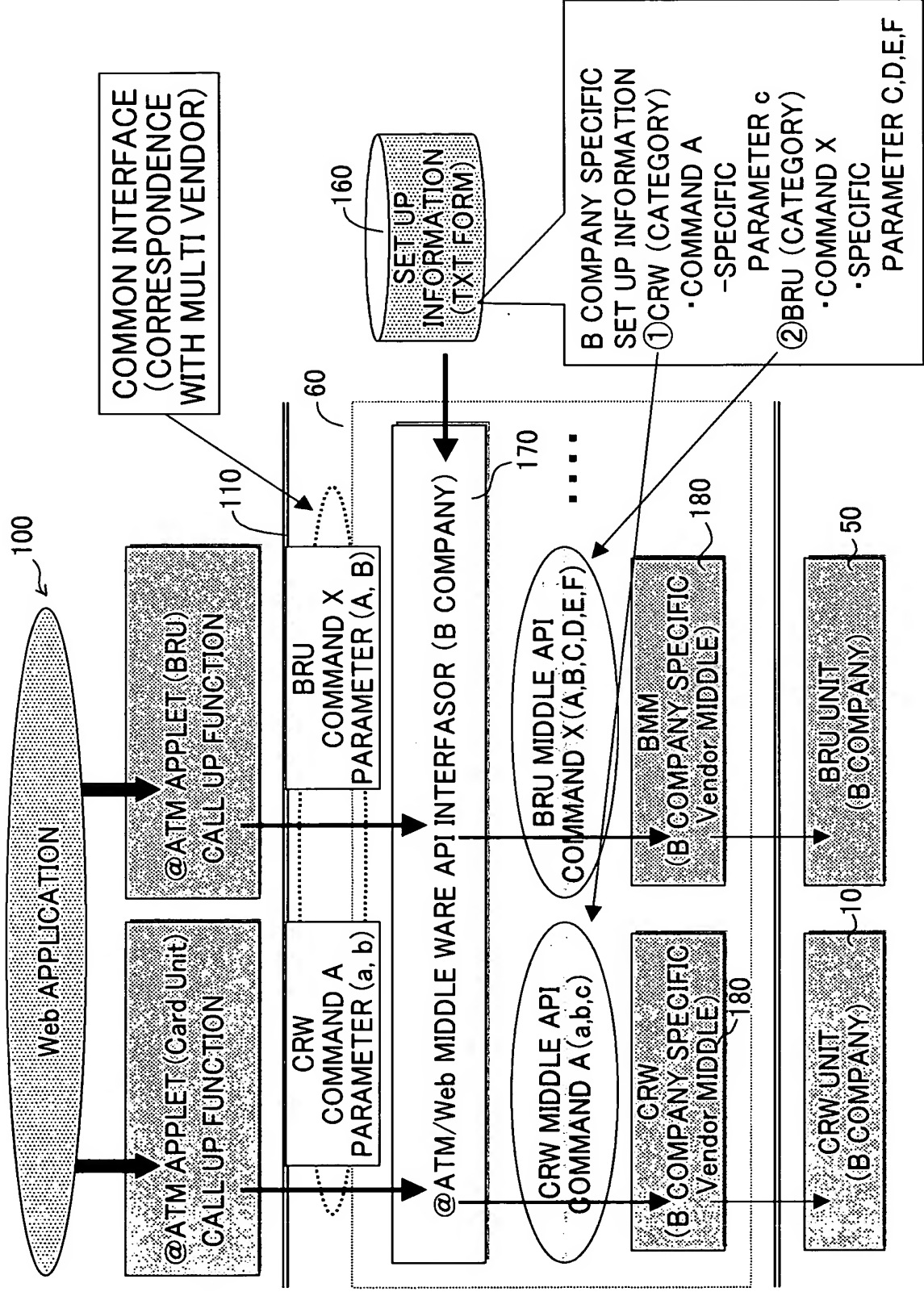


FIG. 15



**FIG. 16**

ITEM	PROCESS	COMMON INTERFACE	VENDOR SPECIFIC INTERFACE
1	UNIT INITIALIZE PROCESS		PASSBOOK PRINTER USER TYPE CODE
2			PASSBOOK RIBBON NEAR END CHECK SPECIFICATION
3			PASSBOOK MS WRITE ERROR PAUSE SPECIFICATION
4			PASSBOOK PAGE MARK UP/DOWN USE SPECIFICATION
5			FORGOTTEN PASSBOOK TAKE-IN/CLOSE SPECIFICATION
6	PASSBOOK INSERT PROCESS	INSERT MEDIUM LOGICAL TYPE SPECIFICATION	
7		PASSBOOK TYPE NO. SPECIFICATION	
8		W-MS CHANGE SPECIFICATION	
9		STRIPE POSITION SPECIFICATION	
10		MS ERASE SPECIFICATION	
11		SPECIFIED LINE POSITION SPECIFICATION	
12		COMPOSIT OPERATION SPECIFICATION	
13		CAMERA CONTROL SPECIFICATION	
14			MS POSITION
15			MS FORMAT
16			MS PARAMETER
17			LINE LAMP CONTROL DESIGNATION

FIG. 17

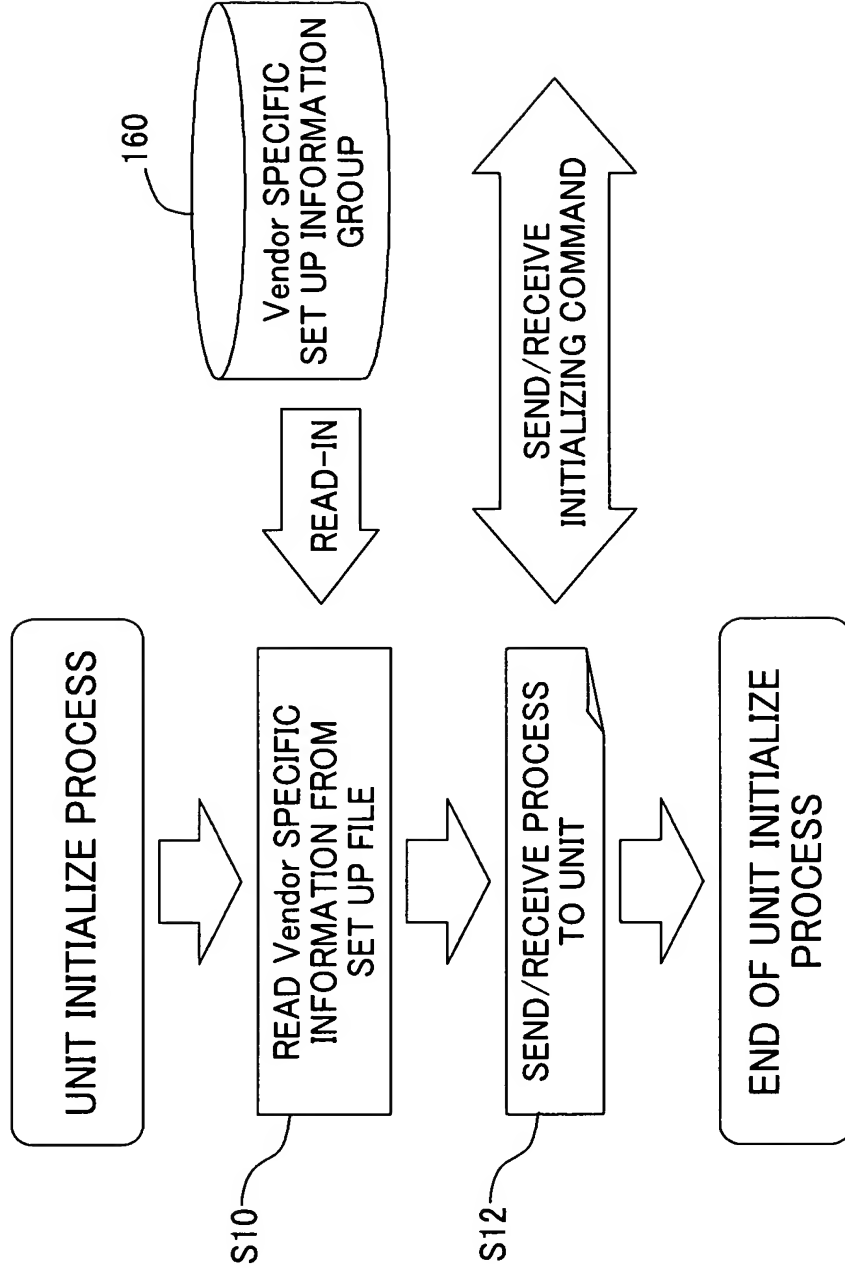




FIG. 18

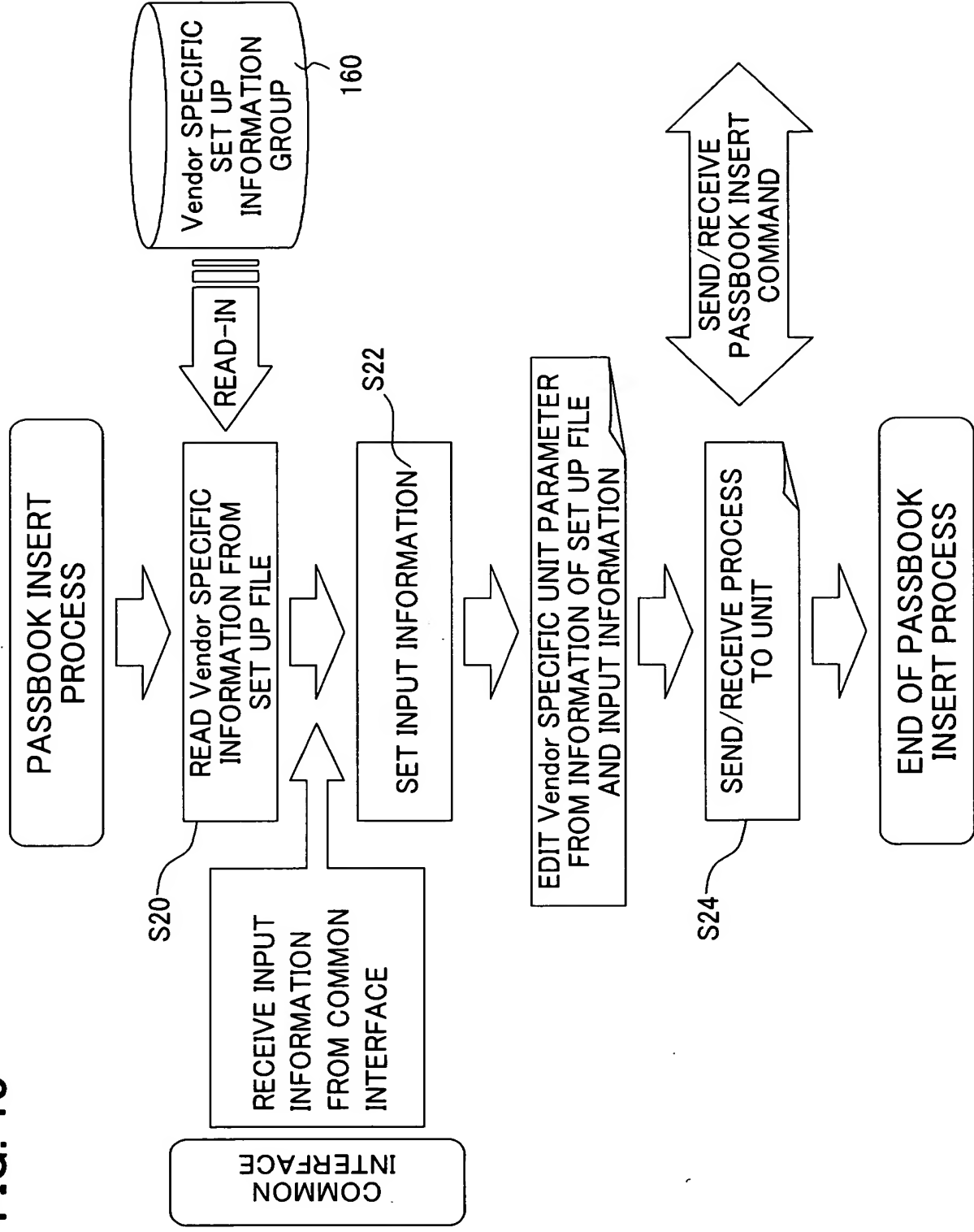


FIG. 19

AGENT		METHOD	IO CONTROLLER								
			NONE	BILL	COIN	PAS BOOK	CARD	RECEIPT	JOURNAL	TRANS-ACTION	TEN KEY
SYNCHRONIZATION		INITIALIZE		●	●	●	●	●	●	●	●
		MECHANISM RESET		●	●	●	●	●	●		
		BILL/COIN INSERT		●	●						
		MEDIUM SIMULTANEOUS EJECT		●	●	●	●	●			
		PRINT/FEED/MS WRITE/EJECT PREPARE		●	●	●	●	●	●		
		DEPOSIT RETURN		●	●						
		STORAGE		●	●						
		FORCE-EJECT/CAPTURE		●	●	●	●	●			
		OBTAIN UNIT INFORMATION/SET TRANSACTION STATUS/TWO-SCREEN DISPLAY		●	●		●	●	●	●	●
		CANCEL									
		DEPOSIT/WITHDRAWAL PREPARE			●						
SYNCHRONIZATION		FORCE REPLENISH		●	●						
		JAM RESET		●	●						
		CARD/PASSBOOK INSERT				●	●				
POST		POST PROCESS	●								
		POST DATA HOLD	●								
TEXT DISPLAY		FONT SET	●								
		TEXT DISPLAY	●								
		TEXT ERASE	●								

FIG. 20

```

<HTML>
<HEAD>
<TITLE>WebATM Sample</TITLE>
</HEAD>

<BODY>

// SPECIFY Agent WHICH IS CALLS UP IN THE SCREEN
<APPLET CODE="U_agtSync_initial.class" codebase = "http://webatm:8080/webatm"
        WIDTH="0" HEIGHT="0" NAME="U_agtSync_initial" >
</APPLET>

// MAKE MAYSCRIPT DEFINITION SUCH THAT POSTAgent CALLS UP FUNCTION of JavaScript
<APPLET CODE="U_agtPost.class" codebase = "http://webatm:8080/webatm"
        WIDTH="0" HEIGHT="0" NAME="U_agtPost" MAYSCRIPT>

<SCRIPT language="javascript">
<!--
// DEFINE FUNCTION THAT IS CALLED UP FROM POSTAgent (REQUISITE)
function postFunc(postData){ document.sys_form.ioResponse.value = postData;
window.document.sys_form.submit();
}

// CALL UP INITIAL METHOD IN SYNCHRONIZATION Agent
ret = document.U_agtSync_initial.initial (inputParam, parseInt(postMode), parseInt(maxTimer));
if (ret < 0) {
// ABNORMAL NOTIFY PROCESS
~OMIT~
}
// -->
</SCRIPT>
</BODY>
</HTML>

```

FIG. 21

PRIOR ART

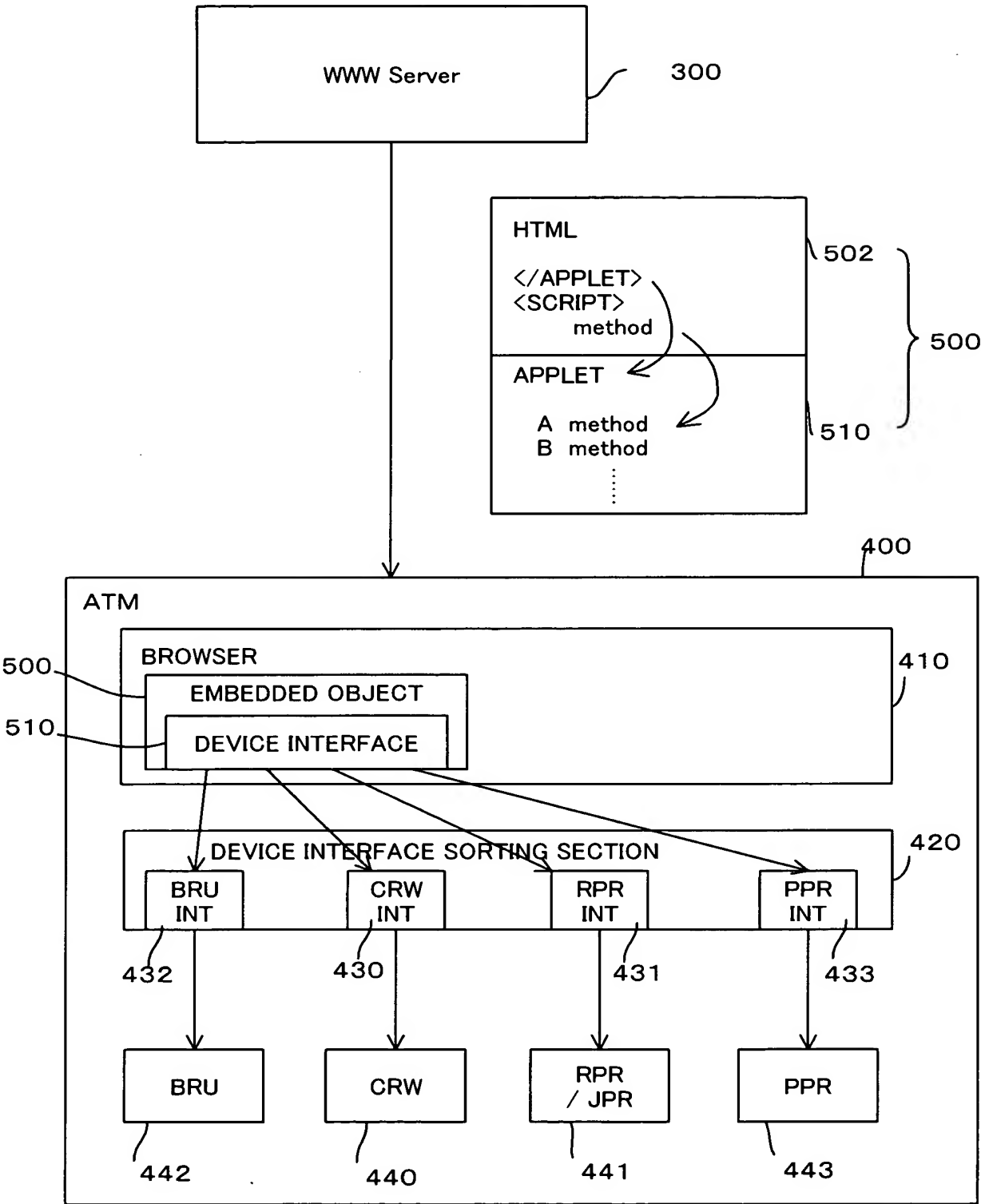


FIG. 22

PRIOR ART

```

<HTML>
(PROGRAM DISCRIPTION OF SCREEN IMAGE) OMIT
<applet code=MachineIF.class codebase=MachineIF id=IDMachinesIF>
</applet> ..... ( D 1 )
<script>
// INITIALIZE EACH DEVICE
FunctionInitialize{
    IDMachineIF. Initialize("Cash");
    IDMachineIF. Initialize("Card");
    IDMachineIF. Initialize("Receipt");
    IDMachineIF. Initialize("Passbook");
}
</script>
(PROGRAM DISCRIPTION OF SCREEN IMAGE) OMIT
</HTML>
    
```

FIG. 23

PRIOR ART

